

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. DEME/12C2		SERIAL NO. 10/655,781	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT Joseph N. Logan and Raymond L. Knox			
				FILING DATE September 5, 2003		GROUP 2875	

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(37) U.S. PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS												
EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE						
RL	A.A 3 6 3 8 0 1 3	1/1972	Keller	240	41.15							
	A.B 3 7 1 2 9 8 4	1/1973	Lienhard									
	A.C 3 7 3 3 4 8 1	05/15/73	Kuyt									
	A.D 3 8 6 8 5 1 3	2/1975	Gonser	250	504							
	A.E 3 9 7 0 8 5 6	7/1976	Mahaffey et al.	250	493							
	A.F 4 0 4 8 4 9 0	9/1977	Troue	240	41.35							
	A.G 4 1 1 4 2 7 4	09/19/78	Jones									
	A.H 4 1 1 4 9 4 6	09/19/78	Hoffmeister et al.									
	A.I 4 1 4 9 0 8 6	04/10/79	Nath									
	A.J 4 1 8 4 1 9 6	1/1980	Moret et al.	433	29							
RL	A.K 4 1 8 5 8 9 1	1/1980	Kaestner	350	167							

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS							
DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)		
RL A.L DE 295 11 927	02/02/97	Germany					
A.M DE 42 11 233	01/29/92	Germany	A61C	17/08	No		
A.N EP 0 116 405	8/22/84	European			Yes		
A.O EP 0 266 038	10/23/91	Europe	A61N	5/06	N/A		
A.P EP 0 320 080	08/04/93	Europe	A61N	5/06	N/A		
RL A.Q EP 0 568 666	11/20/92	Europe	A61N	5/06	Claims in English		

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)	
RL A.R	Burgess, John O. et al., An Evaluation of Four Light-Curing Units Comparing Soft and Hard Curing, Pract. Periodont Aesthet. Dent. 11(1), 125-132, 1999
RL A.S	Cao, Dental Curing Light, US2003/0219693, published November 27, 2003
RL A.T	Davidson-Kaban, Saliha S. et al., The Effect of Curing Light Variations on Bulk Curing and Wall-to-Wall Quality of Two Types and Various Shades of Resin Composites, Dent. Mater. 13: 344-352, November 1997

EXAMINER 	DATE CONSIDERED 12/13/2004
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Raymond L. KnoxFILING DATE
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(37 CFR 1.98(b))

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RL	B.A	4	1	8	6	7	4	8	02/05/80	Schlager	128	736	
	B.B	4	2	0	9	9	0	7	07/01/80	Tsukada et al.			
	B.C	4	2	2	9	6	5	8	10/21/80	Gonser			
	B.D	4	2	3	0	4	5	3	10/1980	Reimers	433	29	
	B.E	4	2	3	3	6	4	9	01/11/80	Scheer et al.			
	B.F	4	2	8	0	2	7	3	7/1981	Vincent			
	B.G	4	2	9	8	8	0	6	11/1981	Herold	250	504	
	B.H	4	3	3	7	7	5	9	7/1982	Popovich et al.	126	438	
	B.I	4	3	8	5	3	4	4	5/1983	Gonser	362	32	
	B.J	4	3	9	1	5	8	8	07/05/83	Matsui			
RL	B.K	4	3	9	8	8	8	5	8/1983	Loge et al.	433	126	

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
RL	B.L	EP 0 672 435	09/20/95	Europe	A61N	5/06	N/A
	B.M	EO 0 678 282	10/25/95	Europe			
	B.N	EP 0 709 698	05/01/96	Europe			N/A
	B.O	EP 0 736 307	10/09/96	Europe	A61N	5/06	N/A
	B.P	EP 0 740 567	11/06/02	Europe	A61N	5/06	N/A
RL	B.Q	EP 0 755 662	07/04/96	Europe	A61C	19/00	No (in German)

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

RL	B.R	Eibofner et al., <u>Lighting Fixture for a Medical or Dental Handpiece</u> , US2001/0007739, U.S. Patent Application Publication, published 7/12/01
RL	B.S	, <u>European Search Report</u> , February 27, 2004
RL	B.T	Feltzer, A. J. et al., <u>Influence of Light Intensity on Polymerization Shrinkage and Integrity of Restoration-Cavity Interface</u> , Eur. J. Oral Sciences, 103: 322-326, 1995

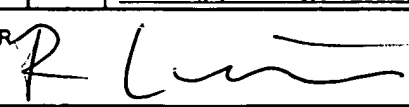
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RL	C.A	4	4	1	2	1	3	4	10/25/83	Herold et al.			
	C.B	4	4	4	5	8	5	8	05/01/84	Johnson			
	C.C	4	4	5	0	1	3	9	5/22/84	Bussiere et al.	422	186.3	
	C.D	4	6	1	0	6	3	0	09/09/86	Betush			
	C.E	4	6	6	6	4	0	6	5/1987	Kanca, III	433	229	
	C.F	4	5	7	3	3	5	3	08/16/87	Nevin			
	C.G	4	7	1	6	2	9	6	12/29/87	Bussiere et al.			
	C.H	4	7	2	9	0	7	6	3/1988	Masami et al.	362	235	
	C.I	4	7	5	7	3	8	1	07/12/88	Cooper et al.			
	C.J	4	7	9	2	6	9	2	12/20/88	Herold et al.			
RL	C.K	4	8	1	0	1	9	4	3/1989	Snedden	433	91	
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS													
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)						
RL	C.L	EP 0 780 101	06/25/97	Europe	A61C	7/16	N/A						
	C.M	EP 0 780 103	06/25/97	Europe	A61C	19/00	No (in German)						
	C.N	EP 0 830 850	03/25/98	Europe									
	C.O	EP 0 830 851	05/02/02	Europe	A61C	5/02	N/A						
	C.P	EP 0 830 852	05/06/02	Europe	A61C	5/02	N/A						
RL	C.Q	EP 0 879 582	11/25/98	Europe	A61C	19/00	No (in German)						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
RL	C.R	Gemunder et al., <u>Photo Curing Light System Having Modulated Light Intensity Control</u> , US2002/0014864, U.S. Patent Application Publication, published 2/7/02											
	C.S	Gordon et al., <u>U.S. Patent Application Publication No. US 2002/0133970 A1</u> , Pub. Date: Sep. 26, 2002											
RL	C.T	Hooker et al., <u>Optical Waveguide Concentrator and Illuminating Device</u> , US20021/0051367, U.S. Patent Application Publication, published 5/2/02											
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RL	D.A	4	8	2	6	4	3	1	5/1989	Fujimura et al.	433	29	
	D.B	4	8	3	6	7	8	2	06/06/89	Gonser			
	D.C	4	8	3	9	5	6	6	06/13/89	Herold et al.			
	D.D	4	8	4	6	5	4	6	7/1989	Cuda	350	96.24	
	D.E	4	8	8	8	4	8	9	12/1989	Bryan	250	504	
	D.F	4	9	3	5	6	6	5	6/1990	Murata	313	500	
	D.G	4	9	3	6	8	0	8	6/1990	Lee	445	24	
	D.H	4	9	4	8	2	1	5	08/14/90	Friedman			
	D.I	4	9	6	3	7	9	8	10/1990	McDermott	315	312	
	D.J	4	9	9	9	3	1	0	3/1991	Kim	437	51	
RL	D.K	5	0	0	3	4	3	4	3/1991	Gonser et al.	362	32	
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS													
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)						
RL	D.L	EP 0 880 945	12/02/98	Europe	A61C	19/00	No (in German)						
	D.M	EP 0 884 025	12/16/98	Europe	A61C	1/08	N/A						
	D.N	EP 0 885 025	12/16/98	Europe	A61C	1/08	N/A						
	D.O	EP 0 998 880	05/10/00	Europe	A61C	1/08	No (in German)						
	D.P	EP 1 031 326	08/30/00	Europe	A61C	19/00	No (in French)						
RL	D.Q	EP 1 090 607	04/11/01	Europe	A61C	19/00	N/A						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
RL	D.R	Kanca, III, John and Suh, Byoung I., <u>Pulse Activation: Reducing Resin-Based Composite Contraction Stresses at the Enamel Cavo-surface Margins</u> , Am. J. of Dentistry, 12(3), 107-112, 1999											
	D.S	Kato, Hiromasa, <u>Relationship Between the Velocity of Polymerization and Adaptation to Dentin Cavity Wall of Light-Cured Composite</u> , Dental Materials J. 6(1): 32-37, 1987											
RL	D.T	Koran, Peter and Kurschner, Ralf, <u>Effect of Sequential versus Continuous Irradiation of a Light-Cured Resin Composite on Shrinkage, Viscosity, Adhesion, and Degree of Polymerization</u> , Am. J. of Dentistry, 11, No. 1, 17-22, 1998											
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RL	E.A	5	0	0	7	8	3	7	04/16/91	Werly			
	E.B	5	0	1	7	1	4	0	05/21/91	Ascher			
	E.C	5	0	2	9	9	5	7	07/09/91	Hood	350	96.2	
	E.D	5	1	1	5	7	6	1	05/26/92	Hood	118	641	
	E.E	5	1	4	7	2	0	4	9/1992	Patten et al.	433	229	
	E.F	5	1	5	0	0	1	6	9/1992	Sawase et al.	315	294	
	E.G	5	1	6	1	8	7	9	11/1992	McDermott	362	206	
	E.H	5	1	6	2	6	9	6	11/1992	Goodrich	313	511	
	E.I	5	1	7	3	8	1	0	12/22/92	Yamakawa			
	E.J	5	1	9	8	6	7	8	03/30/93	Oppawsky			
RL	E.K	5	2	0	1	6	5	5	4/1993	Friedman	433	29	

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RL	E.L	EP 1 090 608	04/11/01	Europe	A61C	19/00	N/A
	E.M	EP 1 093 765	04/25/01	Europe	A61C	1/08	N/A
	E.N	EP 1 103 232	05/30/01	Europe	A61C	19/00	N/A
	E.O	EP 1 112 721	07/04/01	Europe	A61C	1/08	No (in German)
	E.P	EP 1 138 276	10/04/01	Europe	A61C	19/00	N/A
RL	E.Q	EP 1 138 349	10/04/01	Europe	A61N	5/06	N/A

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

RL	E.R	Lieb et al., <u>Light-Emitting Handpiece for Curing Photopolymerizable Resins</u> , US2003/0036031, published February 20, 2003
RL	E.S	LumiLeds Lighting LLC, <u>Concept Evaluation Data Luxeon™ Star 5-Watt</u> , Luxeon™ 5-Watt Preliminary Target Data Sheet, Publication No. JP10 (Jan 2002)
RL	E.T	LumiLeds Lighting LLC, <u>LED Application Note Dental Light Curing</u> , LumiLeds Lighting Publication No. XXX(03.01), Copyright© 2000

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RL	F.A 5 2 3 3 2 8 3	08/03/93	Kennedy	320	13		
	F.B 5 2 4 2 6 0 2	09/07/93	Richardson et al.	210	745		
	F.C 5 2 6 5 7 9 2	11/1993	Harrah et al.	228	6.2		
	F.D 5 2 7 8 6 2 9	01/11/94	Schlager et al.	356	313		
	F.E 5 2 8 3 4 2 5	2/1994	Imamura	250	208.1		
	F.F 5 2 9 0 1 6 9	3/1994	Friedman et al.	433	29		
	F.G 5 3 0 2 1 2 4	04/12/94	Lansing et al.				
	F.H 5 3 1 2 2 4 9	05/13/94	Kennedy				
	F.I 5 3 1 6 4 7 3	5/31/94	Hare	433	29		
	F.J 5 3 2 8 3 6 8	07/12/94	Lansing et al.				
RL	F.K 5 3 7 1 8 2 6	12/8/94	Friedman	385	115		
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RL	F.L EP 1 206 923	05/22/02	Europe	A61C	19/00	N/A	
	F.M EP 1 228 738	08/07/02	Europe	A61C	19/000	No (in German)	
	F.N GB 2 212 010	7/1989	Great Britain				
	F.O GB 2 329 756	03/31/99	GB				
	F.P JP 2 080 522	11/15/99	Japan				
RL	F.Q JP 410033573	02/10/98	Japan	A61C01 9	00	Abstract only	
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
RL	F.R	LumiLeds Lighting LLC, <u>Application Bulletin AB XXX</u> , Luxeon™ Data Sheet, Publication No. xxxx-xxxx					
RL	F.S	LumiLeds Lighting LLC, <u>Luxeon™ Power Light Sources of the Future</u> , January 2001 - Mike Holt					
RL	F.T	LumiLeds Lighting LLC, <u>Lumen Maintenance of White Luxeon™ Power Light Sources</u> , Application Brief AB07, LumiLeds Lighting, US LLC					
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RL	G.A	5	3	7	3	1	1	4	12/1994	Kondo et al.	174	268	
	G.B	5	4	2	0	7	6	8	5/30/95	Kennedy	362	119	
	G.C	5	4	5	7	6	1	1	10/10/95	Verderber			
	G.D	5	4	7	1	1	2	9	11/28/95	Mann	320	21	
	G.E	5	4	8	7	6	6	2	01/30/96	Kipke et al.	433	37	
	G.F	5	5	2	1	3	9	2	05/28/96	Kennedy et al.	250	492.1	
	G.G	5	5	3	0	6	3	2	06/25/96	Shikano et al.			
	G.H	5	5	3	5	2	3	0	7/1996	Abe	372	43	
	G.I	5	6	1	6	1	4	1	04/01/97	Cipolla			
	G.J	5	6	1	7	4	9	2	4/1997	Beach et al.	385	33	
RL	G.K	5	6	3	4	7	1	1	8/1997	Kennedy et al.	362	119	

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RL	G.L	JP 6-30275	1994	Japan			No
	G.M	JP 8-141001	1996	Japan			Yes
	G.N	JP 8-194786	1997	Japan			Yes
	G.O	JP 9-10238	1997	Japan			Yes
	G.P	WO 00/13608	03/16/00	International	A61C	19/00	N/A
RL	G.Q	WO 00/14012	03/01/01	International	A61N	5/06	N/A

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

RL	G.R	LumiLeds Lighting LLC, <u>Application Note 1149-5. Secondary Optics Design Considerations for Super Flux LEDs</u> , Copyright © 2000 LumiLeds Lighting, Obsoletes Publication No. 5968-1215E, Publication No. AN06 (3/00)					
RL	G.S	Luxeon Dental Technical Data, <u>Power Light Source</u> , April, 2002					
RL	G.T	MacDougald et al., <u>U.S. Patent Application Publication No. US 2003/0015667 A1</u> , Pub. Date: Jan. 23, 2003					

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RL	H.A	5	6	6	0	4	6	1	8/1997	Ignatius et al.	362	241	
	H.B	5	6	6	4	0	4	2	09/02/97	Kennedy	385	136	
	H.C	5	6	9	8	8	6	6	12/1997	Doiron et al.	257	99	
	H.D	5	7	0	7	1	3	9	1/1998	Haitz	362	231	
	H.E	5	7	1	1	6	6	5	1/1998	Adam et al.	433	9	
	H.F	5	7	4	7	3	6	3	5/1998	Wei et al.	438	5	
	H.G	5	7	5	9	0	3	2	06/02/98	Bartel			
	H.H	5	8	0	3	7	2	9	09/08.87	Tsimerman			
	H.I	5	8	5	7	7	6	7	01/2/99	Hochstein			
	H.J	5	9	1	2	4	7	0	06/15/99	Elbofner et al.			
RL	H.K	5	9	2	8	2	2	0	07/27/99	Shimoji			
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RL	H.L	WO 00/15296	03/23/00	International	A61N	5/00	N/A						
	H.M	WO 00/41726	07/20/00	International	A61K	41/00	N/A						
	H.N	WO 00/41767	07/20/00	International	A61N	5/06	N/A						
	H.O	WO 00/43067	07/27/00	International	A61N	5/01	N/A						
	H.P	WO 00/43069	07/27/00	International	A61N	5/06	N/A						
RL	H.Q	WO 00/43068	07/27/00	International	A61N	5/01	N/A						
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
RL	H.R	Mayes, Joe H., <u>Curing Lights: An Overview</u> , Unknown, pg 15-17											
RL	H.S	Mehl, A. et al., <u>Physical Properties and Gap Formation of Light-Cured Composites With and Without 'Softstart-Polymerization'</u> , J. of Dentistry, 25, 321-330, 1997											
RL	H.T	Ostler et al., <u>Light Emitting Diode Light Source for Curing Dental Composites</u> , U.S. Patent Application 2001/46652, published November 29, 2001											
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICANT Joseph N. Logan and Raymond L. Knox	
(Use several sheets if necessary)					
(37 CFR 1.98(b))				FILING DATE September 5, 2003	GROUP 2875

U.S. PATENT DOCUMENTS									
EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
RL	I.A 5 9 7 5 8 9 5	11/02/99	Sullivan						
	I.B 6 0 0 8 2 6 4	12/1999	Ostler et al.	522	4				
	I.C 6 0 3 3 2 2 3	03/07/00	Narusawa et al.						
	I.D 6 0 4 5 2 4 0	04/04/00	Hochstein						
	I.E 6 0 4 6 4 6 0	04/04/00	Mertins						
	I.F 6 0 6 5 9 6 5	05/23/00	Rechmann						
	I.G 6 0 6 8 4 7 4	05/30/00	Senn et al.						
	I.H 6 0 7 7 0 7 3	06/20/00	Jacob						
	I.I 6 0 8 6 3 6 7	07/11/00	Levy						
	I.J 6 0 9 5 8 1 2	08/01/2000	Senn et al			03/01/1999			
RL	I.K 6 1 0 2 6 9 6	8/2000	Osterwalder et al.						

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS							
DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)		
RL I.L WO 00/45733	08/10/00	International	A61C	13/00	N/A		
I.M WO 00/67048	11/09/00	International	G02B	A2	N/A		
I.N WO 00/67660	11/16/00	International	A61C	13/15	N/A		
I.O WO 00/01464	01/13/00	International	B01D	46/00	N/A		
RL I.P WO 00/02491	01/20/00	International	A61B	17/36	N/A		
RL I.Q WO 01/19280	International	International	A61C	13/15	No (in German)		

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)		
RL I.R	Sakaguchi, Ronald L. and Berge, Hong Xu, <u>Reduced Light Energy Density Decreases Post-Gel Contraction While Maintaining Degree of Conversion in Composites</u> , J. of Dentistry, 26, 695-700, 1998	
RL I.S	Schlager, Kenneth J., Ignatius, Ronald W., <u>An LED-Array Light Source for Medical Therapy</u> , SPIE Vol. 1892 Medical Lasers and Systems II (1993) p. 26-35.	
RL I.T	Swift Jr., Edward J. et al., Ed., <u>Contemporary Photocuring Issues, Part II</u> , J. Esthetic Dentistry, 12 (1), 50-57, 2000	

EXAMINER RL	DATE CONSIDERED 12/13/2004
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STATEMENT BY APPLICANTAPPLICANT
Joseph N. Logan and
Raymond L. Knox

(37 CFR 1.98(b))

(Use several sheets if necessary)

FILING DATE
September 5, 2003GROUP
2875

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RL	J.A	6	1	2	3	5	4	5	09/26/00	Eggler et al.			
	J.B	6	1	5	5	8	2	3	12/05/00	Nagel			
	J.C	6	1	5	9	0	0	5	12/12/00	Herold et al.			
	J.D	6	1	6	1	9	3	7	12/19/00	Rosenstatter			
	J.E	6	1	6	8	4	3	1	01/02/01	Narusawa et al.			
	J.F	6	1	7	1	1	0	5	01/09/01	Sarmadi			
	J.G	6	1	8	6	7	8	6	02/13/01	Trushkowsky			
	J.H	6	1	9	3	5	1	0	02/27/01	Tsimerman			
	J.I	6	2	0	0	1	3	4	3/13/01	Kovac, et al.	433	29	
	J.J	6	0	2	8	7	8	8	03/27/01	Nosov			
RL	J.K	6	2	2	0	7	2	2	04/24/01	Begemann			

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
RL	J.L	WO 01/24724	04/12/01	International	A61C	3/00	N/A
	J.M	WO 01/54770	08/02/01	International	A61N	5/06	N/A
	J.N	WO 01/60280	08/23/01	International	A61C	13/15	Abstract only
	J.O	WO 01/64129	09/07/01	International	S61C	19/00	N/A
	J.P	WO 01/68035	09/20/01	International	A61K	6/00	N/A
RL	J.Q	WO 01/69691	09/20/01	International	H01L	31/12	N/A

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

RL	J.R	Tarle, Z. et al., <u>The Effect of the Photopolymerization Method on the Quality of Composite Resin Samples</u> , J. of Oral Rehab. 25: 436-442, 1998
RL	J.S	TIR Technologies, Inc., <u>Miniaturized TIR lenses for Light Emitting Diodes</u> , TIR Technical Publication, pgs. 1-14
RL	J.T	Uno, Shigeru and Asmussen, Erik, <u>Marginal Adaptation of a Restorative Resin Polymerized at Reduced Rate</u> , Scand J. Dent. Res. 1991; 99: 440-4

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EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	K.A	6	2	8	0	1	8	7	08/28/01	Slone			
	K.B	6	2	8	0	1	8	8	08/28/01	Ross			
	K.C	6	3	3	1	1	1	1	12/18/01	Cao			
	K.D	6	3	4	5	9	8	2	2/12/02	Meyer			
	K.E	6	3	7	9	1	4	9	04/30/02	Frantzi			
	K.F	6	4	1	9	4	8	3	07/16/02	Adam et al.			
	K.G	6	4	3	9	8	8	8	08/27/02	Boutoussov et al.			
	K.H	6	4	6	8	0	7	7	10/22/02	Melikechi et al.			
	K.I												
	K.J												
	K.K												
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		DOCUMENT NUMBER						PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)	
	K.L	WO 01/03770						01/18/01	International	A61N	5/00	N/A	
	K.M	WO 02/11640						02/14/02	International			N/A	
	K.N	WO 02/32505						04/25/02	International	A61N	5/06	N/A	
	K.O	WO 02/33312						04/25/02	International	F21V		N/A	
	K.P	WO 02/49721						06/27/02	International	A61N	5/06	N/A	
	K.Q	WO 02/056787						07/25/02	International				
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
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		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
RL	L.L.	WO 02/06723	01/24/02	International	F21S	8/00	No (in German)
	L.M.	WO 02/069839	09/12/02	International			
	L.N.	WO 02/080808	10/17/02	International			
	L.O.	WO 83/01311	04/14/83	International	G02B	27/10	
	L.P.	WO 95/07731	03/23/95	International			
RL	L.Q.	WO 99/35995	07/22/99	International			
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
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		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
RL	M.L.	WO 00/41768	07/20/00	International	A61N	5/06	N/A
1	M.M.	WO 02/09610	02/07/02	International	A61B	18/24	N/A
	M.N.	WO 84/04463	11/22/84	International	A61N	5/06	
	M.O.	WO 92/02275	02/20/92	International	A61N	5/06	
	M.P.	WO 93/09847	5/1993	International			N/A
RL	M.Q.	WO 93/21842	11/11/93	International	A61B	17/36	N/A
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RL	N.L.	WO95/19810	07/25/95	International	A61N	5/06	N/A
	N.M.	WO 95/26217	10/05/95	International	A61N	5/06	N/A
	N.N.	WO/97/36552	10/09/97	International	A61C	13/15	N/A
	N.O.	WO 97/37722	10/16/97	International	A61N	5/06	Abstract only
	N.P.	WO 97/46279	12/11/97	International	A61N	5/06	N/A
RL	N.Q.	WO 97/46280	12/11/97	International	A61N	5/06	N/A

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O.L. WO 98/03131	01/29/98	International	A61C	9/00	N/A		
O.M. WO 98/04317	02/05/98	International	A61N	1/30	N/A		
O.N. WO 99/11324	03/11/99	International	A61N	5/06	N/A		
O.O. WO 99/16136	04/01/99	International	H01L	33/00	N/A		
O.P. WO 99/20346	4/29/99	International	A61N	5/06	N/A		
O.Q. WO 99/09071	02/25/99	International	C08F	2/46	N/A		

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